

OPTIMUS®

Cat. No. 40-4072

PRO SW-14 12-Inch 100-Watt Subwoofer

The subwoofer has a down-firing 12-inch driver with a dual 2-inch voice coil. You can connect both stereo channels to a single subwoofer.

CHOOSING A LOCATION FOR THE SUBWOOFER

Because low frequencies are much less directional than other sounds, you can use a single subwoofer for both stereo channels and you can put the subwoofer almost anywhere within your listening area. However, to simplify connections, it is usually best to put the subwoofer between the left and right stereo speakers.

Your Optimus PRO SW-14 12-Inch 100-Watt Subwoofer is designed to add the dramatic realism of solid bass response (below 150 Hz) to many speaker systems that lack the ability to reproduce these frequencies on their own. The subwoofer's bass reflex design provides clean bass response in the crucial bottom octave of the audible range.

The subwoofer's effect is most dramatic when it is used with stereo speakers such as RadioShack PRO-7s and PRO-77s. The stereo speakers reproduce the high, midrange, and upper bass frequencies, while the subwoofer reproduces the low bass frequencies. This results in heightened presence and clarity across the entire audio range.

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ADDING THE SUBWOOFER TO YOUR SPEAKER SYSTEM

With the subwoofer in the selected location, measure the distance from it to each speaker, and to your receiver/amplifier. Then follow these steps to connect the subwoofer.

Notes:

- Use 18-gauge speaker wire for distances up to 25 feet.
- Use 16-gauge speaker wire for distances greater than 25 feet.
- To maximize the bass response, you must connect the receiver/amplifier's positive (+) and negative (–) terminals to the subwoofer's corresponding positive (+) and negative (–) terminals.

You can easily do this by using speaker wire that has a stripe or a ridge on one conductor. Your local RadioShack store has a wide selection of speaker wire.

1. Connect the subwoofer's **INPUT** terminals to the appropriate left and right speaker terminals on your amplifier.
2. Connect the subwoofer's **OUTPUT** terminals to the corresponding left and right stereo speaker.

MAINTENANCE

Your Optimus PRO SW-14 12-Inch 100-Watt Subwoofer is an example of superior design and craftsmanship. The following suggestions will help you care for the subwoofer so you can enjoy it for years.



Keep the subwoofer and cabinet dry. If they get wet, wipe them immediately. Liquids might contain minerals that can corrode electronic circuits and harm the finish on the cabinet.



Keep the subwoofer away from dust and dirt, which can cause premature wear of parts.



Wipe the subwoofer cabinet occasionally with a cloth dampened with furniture polish. This will help keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents.

Caution: You might permanently damage your subwoofer enclosure's grille or speaker elements by cleaning them with a vacuum cleaner. Instead, use a feather duster or a soft cloth.

Modifying or tampering with your subwoofer's internal components can cause a malfunction and might invalidate its warranty. If your subwoofer is not operating as it should, take it to your local RadioShack store for assistance.

SPECIFICATIONS

Frequency Range29 Hz–200 Hz
Power Handling.....100 Watts RMS
Maximum Power200 Watts
Sensitivity 88 dB @ 2.83 V
ImpedanceNominal 8 Ohms
Speaker 12-Inch, Dual Voice Coil
Crossover Frequency 200 Hz with Built-In Crossover
(Low-Pass Crossover for Internal Speaker)
(High-Pass Crossover for External Primary Speaker Systems)
ConnectionsPush-In Terminals
Enclosure Type Bass Reflex
Enclosure FinishBlack Wood Grain Vinyl
Dimensions (HWD) 15¼ ¥ 17 ¥ 16 inches (38.3 ¥ 42.8 ¥ 40.2 cm)
Weight26 lb (11.7 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

RadioShack Limited Warranty

This product is warranted against defects for 5 years from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102